

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

5

Complete if Known

Application Number

09/722.867

Filing Date

November 27, 2000

First Named Inventor

Pau et al.

Group Art Unit

1648

Examiner Name

M. Hill

Attorney Docket Number

2578-4626US

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

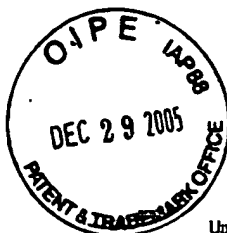
**Examiner
Signature**

Date Considered

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



PTO/SB/08B(10-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

5

Complete if Known

Application Number	09/722,867
Filing Date	November 27, 2000
First Named Inventor	Pau et al.
Group Art Unit	1648
Examiner Name	M. Hill
Attorney Docket Number	2578-46261US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ms		#ALKHATIB et al., "Expression of Bicistronic Measles Virus P/C mRNA by Using Hybrid Adenovirus: Levels of C Protein Synthesized In Vivo Are Unaffected by the Presence or Absence of the Upstream P Initiator Codon," Journal of Virology, November 1988, pp. 4059-4068, Vol. 62, No. 11.	
		#ALKHATIB et al., "High-Level Eucaryotic In Vivo Expression of Biologically Active Measles Virus Hemagglutinin by Using an Adenovirus Type 5 Helper-Free Vector System," Journal of Virology, August 1988, pp. 2718-2727, Vol. 62, No. 8.	
		#BERG et al., High-Level Expression of Secreted Proteins from Cells Adapted to Serum-Free Suspension Culture, Research Report, 1993, pp. 972-78, Vol. 14, No. 6.	
		#BROWN et al., "Evaluation of Cell Line 293 for Virus isolation in Routine Viral Diagnosis," Journal of Clinical Microbiology, April 1986, pp. 704-708, Vol. 23, No. 4.	
		#BUKREYEV et al., "Recombinant Respiratory Syncytial Virus from Which the Entire SH Gene Has Been Deleted Grows Efficiently in Cell Culture and Exhibits Site-Specific Attenuation in the Respiratory Tract of the Mouse," Journal of Virology, December 1997, pp. 8973-8982, Vol. 71, No. 12.	
		#CARAVOKYRI et al., "Constitutive Episomal Expression of Polypeptide IX (pIX) in a 293-Based Cell Line Complements that Deficiency of pIX Mutant Adenovirus Type 5," Journal of Virology, November 1995, pp. 6627-6633, Vol. 69, No. 11.	
		#Certificate of deposit of the PER.C6 cell line (ECACC deposit under number 96022940).	
		#CICCARONE et al., "Lipofectamine 2000 Reagent for Transfection of Eukaryotic Cells," Focus, 1999, pp. 54-55, Vol. 21, No. 2.	
		#COTE et al., Serum-Free Production of Recombinant Proteins and Adenoviral Vectors by 293SF-3F6 Cells, Biotechnology and Bioengineering, September 5, 1998, pp. 567-75, Vol. 59, No. 5.	
		#DuBRIDGE et al., "Analysis of Mutation in Human Cells by Using an Epstein-Barr Virus Shuttle System," Molecular and Cellular Biology, January 1987, pp. 397-387, Vol. 7, No. 1.	
		#FALLAUX et al., Characterization of 911: A New Helper Cell Line for the Titration and Propagation of Early Region 1- Deleted Adenoviral Vectors, Human Gene Therapy, January 20, 1996, pp. 215-222, Vol. 7.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B(10-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/722,867
		Filing Date	November 27, 2000
		First Named Inventor	Pau et al.
		Group Art Unit	1648
		Examiner Name	M. Hill
		Attorney Docket Number	2578-46261US
Sheet	3	of	5

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		#Figure 1 submitted by Opponent 1. <i>mt am ptk cbr</i>	
<i>W8</i>		#GALLIMORE et al., Transformation of Human Embryo Retinoblasts with Simian Virus 40, Adenovirus and ras Oncogenes, Anticancer Research, 1986, pp. 499-508, Vol.6.	
		#GARNIER et al., Scale-up of the adenovirus expression system for the production of recombinant protein in human 293S cells, Cytotechnology, 1994, pp. 145-55, Vol. 15.	
		#GenBank Accession No. X02996.1, 1993, "Adenovirus type 5 left 32% of the genome."	
		#GIBCO cell culture, A Guide to Serum-Free Cell Culture, www.invitrogen.com.	
		#GRAHAM et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," J. Gen. Virol., 1997, pp. 59-72, Vol. 36.	
		#GRAHAM et al., "Growth of 293 cells in suspension culture," J Gen Virol, March 1987, pp. 937-940, Vol. 68.	
		#GRAHAM, Cell Lines, Promochem (visited 04.10.2005) < http://www.lgcpromochem-atcc.com/SearchCatalogs/longview.cfm?view=ce,1146678... >.	
		#HOLZER et al., "Construction of a Vaccinia Virus Deficient in the Essential DNA Repair Enzyme Uracil DNA Glycosylase by a Complementing Cell Line," Journal of Virology, July 1997, pp. 4997-5002, Vol. 71, No. 7.	
<i>W</i>		#INOUE et al., Production of Recombinant Human Monoclonal Antibody Using ras-Amplified BHK-21 Cells in a Protein-free Medium, Biosci. Biotech. Biochem., 1996, pp. 811-17, Vol. 60, No. 5.	
		#Interlocutory Decision of the Opposition Division of 21 July 2003 in the case EP 0 695 351(European application 94 913 174.2)	

Examiner Signature	<i>[Signature]</i>	Date Considered	2/24/06
-----------------------	--------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B(10-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 4 of 5	Complete if Known	
	Application Number	09/722,867
	Filing Date	November 27, 2000
	First Named Inventor	Pau et al.
	Group Art Unit	1648
	Examiner Name	M. Hill
	Attorney Docket Number	2578-46261 US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		#LOPEZ et al., Efficient production of biologically active human recombinant proteins in human lymphoblastoid cells form integrative and episomal expression vectors, Gene, 1994, pp. 285-91, Vol. 148.	
		#LUTZ et al., "The Product of the Adenovirus Intermediate Gene IX Is a Transcriptional Activator," Journal of Virology, July 1997, pp. 5102-5109, Vol. 71, No. 7.	
		#MANSERVIGI et al., "Protection from Herpes Simplex Virus Type 1 Lethal and Latent Infections by Secreted Recombinant Glycoprotein B Constitutively Expressed in Human Cells with a BK Virus Episomal Vector," Journal of Virology, January 1990, pp. 431-436, Vol. 64, No.1.	
		#Marketing Authorization and Scientific Discussion for Xigris.	
		#MASSIE et al., Improved Adenovirus Vector Provides Herpes Simplex Virus Ribonucleotide Reductase R1 and R2 Subunits Very Efficiently, Biotechnology, June 1995, pp. 602-08, Vol. 13.	
		#NEUMANN et al., "Generation of influenza A viruses entirely from cloned cDNAs," Proc. Natl. Acad. Sci., August 1999, pp. 9345-9350, Vol. 96.	
		#Notice of Opposition to a European Patent for I 161 548.	
		#Opposition against European patent I 108 878 B1 filed October 5, 2005 in the name and on behalf of CEVEC Pharmaceuticals GmbH.	
		#Opposition against European patent I 161 548 B1 filed November 16, 2005, in the name and on behalf of CEVEC Pharmaceutical GmbH.	
		#Opposition against European patent I 108787 filed October 5, 2005 in the name and on behalf of Probiogen AG.	
		#ORY et al., "A stable human-derived packaging cell line for production of high titer retrovirus/vesicular stomatitis virus G pseudotypes," Proc. Natl. Acad. Sci., October 1996, pp. 11400-11406, Vol. 93.	

Examiner Signature		Date Considered	2/20/06
-----------------------	--	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B(10-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

5

of

5

Complete if Known

Application Number	09/722,867
Filing Date	November 27, 2000
First Named Inventor	Pau et al.
Group Art Unit	1648
Examiner Name	M. Hill
Attorney Docket Number	2578-46261US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WJH		#PARKINSON et al., "Stable Expression of a Secretable Deletion Mutant of Recombinant Human Thrombomodulin in Mammalian Cells," The Journal of Biological Chemistry, 25 July 1990, pp. 12602-12610, Vol. 265, No. 21.	
WJH		#PLESCHKA et al., "A Plasmid-Based Reverse Genetics System for Influenza A Virus," Journal of Virology, June 1996, pp. 4188-4192, Vol. 70, No. 6.	
WJH	1032	#PubMed listing of abstracts (visited 04.10.2005) < http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=search&DB=pubmed >	
WJH		#RHIM et al., "Development of Human Cell Lines from Multiple Organs," Annals of the New York Academy of Sciences, 2000, pp. 16-25, Vol. 919.	
		#SPECTOR et al., "Regulation of Integrated Adenovirus Sequences During Adenovirus Infection of Transformed Cells," Journal of Virology, December 1980, pp. 860-871, Vol. 36, No. 3.	
		#STEVENS et al., "The N-Terminal Extension of the Influenza B Virus Nucleoprotein Is Not Required for Nuclear Accumulation or the Expression and Replication of a Model RNA," Journal of Virology, June 1998, pp. 5307-5312, Vol. 72, No. 6.	
		#U.S. Department of Health and Human Services, Public Health Service, Food and drug Administration, Center for Biologics Evaluation and Research, International Association for Biologicals, National Institute of Allergy and Infectious Diseases, National Vaccine Program Office, World Health Organization, Evolving Scientific and Regulatory Perspectives on Cell Substrates for Vaccine Development, Workshop, Friday, 10 September 1999 (visited 30.09.2005) < http://www.fda.gov/cber/minutes/0910evolv.txt >	
		#YAN et al., Novel Asn-linked oligosaccharides terminating in GalNAc β (1-4)[Fucal α (1-3)]GlcNAc β (1-) are present in recombinant human Protein C expressed in human kidney 293 cells, Glycobiology, 1993, pp. 597-608, Vol. 3, No. 6.	
		#YEAGER et al., Constructing immortalized human cell lines, Current Opinion Biotechnology, 1999, pp. 465-69, Vol. 10.	
		#YEH et al., Adenoviral Vectors, pp. 25-42 of "Concepts in Gene Therapy," Publisher: Walter de Gruyter, New York.	

Examiner
SignatureDate
Considered#Pursuant to 37 C.F.R. § 1.98(d), copies of the previously identified patents are not being provided since they were previously cited by or submitted to the Office in the following prior application:

Serial No.: 09/449,854

Filed: November 26, 1999

For: PRODUCTION OF VACCINES, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

Application Number	09/722,867
Filing Date	November 27, 2000
First Named Inventor	Pau et al.
Group Art Unit	1648
Examiner Name	M. Hill
Attorney Docket Number	2578-4626US

Sheet 1 of 4**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
VYB		US- 4,703,008	10-27-1987	Lin	
		US- 4,835,260	05-30-1989	Shoemaker	
		US- 5,047,335	09-10-1991	Paulson et al.	
		US- 5,441,868	08-15-1995	Lin	
		US- 5,457,089	10-10-1995	Fibi et al.	
		US- 5,494,790	02-27-1996	Sasaki et al.	
		US- 5,767,078	06-16-1998	Johnson et al.	
		US- 5,773,569	06-30-1998	Wrighton et al.	
		US- 5,789,247	08-04-1998	Ballay et al.	
		US- 5,830,851	11-03-1998	Wrighton et al.	
		US- 5,835,382	11-10-1998	Wilson et al.	
		US- 5,856,298	01-05-1999	Strickland	
		US- 5,994,128	11-30-1999	Fallaux et al.	
		US- 6,033,908	03-01-2000	Bout et al.	
		US- 6,492,169 B1	12-10-2002	Vogels et al.	
		US- 6,558,948	05-06-2003	Kochanek et al.	
		US- 6,653,101 B1	11-25-2003	Cockett et al.	
		US- 6,855,544	02-15-2005	Hateboer et al.	
		US- 2002/116723 A1	08-22-2002	Grigliatti et al.	
		US- 2003/0087437 A1	05-08-2003	Asada et al.	
		US- 2003/0092160	05-15-2003	Bout et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
VYB		WO 93/03163	02-18-1993	Fond Nat Transfusion		
		WO 95/05465	02-23-1995	Amgen Inc.		
		WO 95/29994	11-09-1995	Univ Michigan		
		WO 97/00326	01-03-1997	Univ Leiden		
		WO 98/18926	05-07-1998	G.D. Searle & Co.		
		WO 98/39411	09-11-1998	Baxter International Inc.		
		WO 98/44141	10-08-1998	The University of British Columbia		
		WO 99/05268	02-04-1999	Boehringer Mannheim GMBH		
		WO 00/61164	10-19-2000	Kenneth S. Warren Laboratories		
		WO 00/63403	10-26-2000	Intogene B.V.		
		WO 01/38362 A2	05-31-2001	Crucell Holland B.V.		
		WO 02/053580	07-11-2002	The Kenneth S. Warren Institute, Inc.		
		WO 03/038100 A1	05-08-2003	Crucell Holland B.V.		
		WO 03/048197 A1	06-12-2003	Crucell Holland B.V.		
		WO 03/048348 A2	06-12-2003	Crucell Holland B.V.		
		WO 03/051927	06-26-2003	Crucell Holland B.V.		
		WO 2004/003176	01-08-2004	The Kenneth S. Warren Institute, Inc.		
		WO 2004/099396	11-18-2004	Crucell Holland B.V.		
		EP 0 185 573	06-25-1995	Univ Michigan		
		EP 0 411 678	02-06-1991	Genetics Institute Inc		

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 20 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 223131450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known

Application Number	09/722,867
Filing Date	November 27, 2000
First Named Inventor	Pau et al.
Group Art Unit	1648
Examiner Name	M. Hill
Attorney Docket Number	2578-4626US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T ²
mb		BOUT et al., "Improved helper cells for RCA-free production of E1-deleted recombinant adenovirus vectors," Cancer Gene Therapy, 1996, pp. S24, Vol. 3, No. 6.	
1		BOUT et al., "Production of RCA-free batches of E1-deleted recombinant adenoviral vectors on PER.C6," Nucleic Acids Symp. Ser. 1998, XP-002115716, pp. 35-36.	
		BOU TL et al., "A novel packaging cell line (PER.C6) for efficient production of RCAfree batches of E1-deleted recombinant adenoviral vectors, Cancer Gene Therapy, 1997, pp. S32-S33, Vol. 4, No. 6.	
		CARROLL et al., Abstract, Differential Infection of Receptor-modified Host Cells by Receptor-Specific Influenza Viruses, Virus Research, Sep. 1985, pp. 165-79, Vol. 3, No. 2.	
		CRONAN, Abstract, Biotination of Proteins in vivo a post-translational modification to label purify and study proteins, Journal of Biological Chemistry, June 25, 1990, pp. 10327-33, Vol. 265, No. 18.	
		ENDO et al., Growth of Influenza A Virus in Primary, Differentiated Epithelial Cells Derived from Adenoids, Journal of Virology, Mar. 1996, pp. 2055-58, Vol. 70, No. 3.	
		FALLAUX et al., "New helper cells and matched early region 1-deleted adenovirus vectors prevent generation of replication competent adenoviruses," Human Gene Therapy, Sept. 1, 1998, Vol. 9, No. 1, pp. 1909-1917. Abstract.	
		GHOSH-CHOUDHURY et al., Protein IX, a minor component of the human adenovirus capsid, is essential for the packaging of the full length genomes, The EMBO Journal, 1987, pp. 1733-39, Vol. 6, No. 6.	
		GRABENHORST et al., Construction of stable BHK21 cells coexpressing human secretory glycoproteins and human Gal(beta-1-4)GlcNAc-6-sialyltransferase alpha-2,6-Linked NeuAc is preferentially attached to the Gal(beta-1-4)GlcNAc(beta-1-2)Man(alpha-1-3)-branch of diantennary oligosaccharides from secreted recombinant betatransferrin protein, Eur. J. Biochem, 1995, pp. 718-25, Vol. 232, No. 3, Berlin, Germany.	
		GRAND et al., "Modulation of the level of expression of cellular genes in adenovirus 1-infected and transformed human cells," Eur Mol Biol Organ J. 1986, 5 (6) 1253-1260. Abstract.	
		GRAND et al., "The high levels of p53 present in adenovirus early region 1-transformed human cells do not cause up regulation of MDM2 expression," Virology, 1995, Vol. 210, No. 2, pp. 323-334. Abstract.	
		HOLLISTER et al., Stable expression of mammalian beta1,4galactosyltransferase extends the N-glycosylation pathway in insect cells, Glycobiology, 1998, pp. 473-80, Vol. 8, No. 5, IRL Press, United Kingdom.	

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

4

Complete if Known

Application Number

09/722,867

Filing Date

November 27, 2000

First Named Inventor

Pau et al.

Group Art Unit

1648

Examiner Name

M. Hill

Attorney Docket Number

2578-4626US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T ²
my		JENKINS et al., Getting the glycosylation right: Implications for the biotechnology industry, Nature Biotechnology, August 1996, pp. 975-81, Vol. 14, No. 8, Nature Publishing, US.	
		LOUIS et al., Cloning and Sequencing of the Cellular-Viral Junctions from the Human Adenovirus Type 5 Transformed 293 Cell Line, Virology, 1997, pp. 423-29, Vol. 233.	
		MERTEN et al., Production of Influenza Virus in Cell Cultures for Vaccine Preparation, Exp Med Biol., 1996, pp. 14451, Vol. 397.	
		MINCH et al., Tissue Plasminogen Activator Coexpressed in Chinese Hamster Ovary Cells with alpha(2,6)-Sialyltransferase Contains NeuAa-alpha(2,6)Gal-beta(1,4)Glc-N-AcR Linkages, Biotechnol. Prog., 1995, pp. 348-51, Vol. 11, No. 3.	
		NCBI Entrez Nucleotide accession number NC_002018.	
		NCBI Entrez Nucleotide accession number U38242.	
		NCBI Entrez Nucleotide accession number X02996 J01967 J01968 J01970 J01971 J01972 J01974 J01976 J01977 J01978 J01979 K00515 V00025 V00026 V00027 V00029.	
		PACITTI et al., Inhibition of Reovirus Type 3 Binding to Host Cells by Sialylated Glycoproteins Is Mediated through the Viral Attachment Protein, Journal of Virology, May 1987, pp. 140715, Vol. 61, No. 5, American Society for Microbiology.	
		PAU et al., Abstract, The human cell line PER.C6 provides a new manufacturing system for the production of influenza vaccines, Vaccine, Mar. 21, 2001, pp. 2716-21, Vol. 19, No. 17-19.	
		PAUL et al., Increased Viral Titer Through Concentration of Viral Harvests from Retroviral Packaging Lines, Human Gene Therapy, 1993, pp. 609-15, Vol. 4.	
		PAZUR et al., Abstract, Oligosaccharides as immunodeterminants of erythropoietin for two sets of anti-carbohydrate antibodies, Journal of Protein Chemistry, November 2000, pp. 63135, Vol. 19, No. 8.	
		REINA et al., Comparison of Madin-Darby Canine Kidney cells (MDCK) with a Green Monkey Continuous Cell Line (Vero) and Human Lung Embryonated Cells (MRG5) in the Isolation of Influenza A Virus from Nasopharyngeal Aspirates by Shell Vial Culture, Journal of Clinical Microbiology, July 1997, pp. 1900-01, Vol. 35, No. 7.	

Examiner
Signature

Date

Considered

2/20/06

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known

Application Number	09/722,867
Filing Date	November 27, 2000
First Named Inventor	Pau et al.
Group Art Unit	1648
Examiner Name	M. Hill
Attorney Docket Number	2578-4626US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T ²
WY		SCHIEDNER et al., Abstract, Efficient transformation of primary human amniocytes by E1 functions of Ad5: generation of new cell lines for adenoviral vector production, 2000, Hum. Gene Ther. 11, 21052116.	
		SETOGUCHI et al., "Stimulation of Erythropoiesis by in vivo gene therapy: Physiologic consequences of transfer of the human erythropoietin gene to experimental animals using an adenovirus vector," Blood, November 1, 1994, pp. 29463, Vol. 84, No. 9.	
		STOCKWELL et al., High-throughput screening of small molecules in Miniaturized Mammalian Cellbased Assays involving Post-translational Modifications, Chemistry and Biology, February 1999, pp. 7183, Vol. 6, No. 2.	
		WEIKERT et al., Engineering Chinese hamster ovary cells to maximize sialic acid content of recombinant glycoproteins, Nature Biotechnology, November 1999, pp. 111621, Vol. 17, No. 11, Nature Pub. Co., New York, NY, US.	
		YU et al., "Enhanced o-erbB-2/neu expression in human ovarian cancer cells correlates with more severe malignancy that can be suppressed by EIA," Cancer Res., 1993, 53 (4) 891-8. Abstract.	
		ZHANG et al., Stable expression of human alpha2,6-sialyltransferase in Chinese hamster ovary cells: functional consequences for human erythropoietin expression and bioactivity, BBA- General Subjects, 1998, pp. 441-52, Vol. 1425, No. 3, Elsevier Science Publishers, NL.	

Examiner
SignatureDate
Considered

2/20/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 223131450.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/722,867
Filing Date	November 27, 2000
First Named Inventor	Pau et al.
Group Art Unit	1648
Examiner Name	M. Hill
Attorney Docket Number	2578-4626US

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



PTO/SB/08B(10-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	09/722,867
Filing Date	November 27, 2000
First Named Inventor	Pau et al.
Group Art Unit	1648
Examiner Name	M. Hill
Attorney Docket Number	2578-46261US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MA		PCT International Search Report, PCT/NL00/00862, dated July 4, 2001.	
MA		PCT International Preliminary Examination Report and Written Opinion, PCT/NL00/00862, dated April 8, 2002.	

Examiner
SignatureDate
Considered

2/20/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.